

**WHAT IS CLAIMED IS:**

1. A magnifier lens comprising in order from an eye side:  
a first positive power lens element having an aspheric eye side surface;  
a second negative power meniscus lens element having an aspheric object side surface; and  
a third positive power bi-convex lens element having at least one aspheric surface.
2. The magnifier of Claim 1, wherein the aspheric surface of the first positive power element is a simple conic.
3. The magnifier of Claim 1, wherein the aspheric surface of the second negative power meniscus is a simple conic.
4. An optical system comprising in order from an eye side:  
a first positive power lens element having an aspheric eye side surface;  
a second negative power meniscus lens element having an aspheric object side surface;  
a third positive power bi-convex lens element having at least one aspheric surface; and  
an object to be viewed.
5. The optical system of Claim 4, wherein a back focal length in air from the object side surface of the third positive power bi-convex lens element to the object to be viewed is no less than about 7.7 mm.

6. The optical system of Claim 4, further comprising:  
a cover glass positioned on an eye side of the object to be viewed;  
and

a beam splitter positioned between the object side surface of the second positive power lens element and the cover glass, wherein the object side surface of the third positive power bi-convex lens element is positioned about 8.1 mm from the object to be viewed.

7. The optical system of Claim 4, wherein the object to be viewed is an electronic display.

8. The optical system of Claim 7, wherein the electronic display is a liquid crystal display.

9. The optical system of Claim 7, wherein the electronic display has a full diagonal of approximately 6 mm or less.

10. The optical system of Claim 7, wherein the electronic display is a micro-display.

11. The optical system of Claim 7, wherein the electronic display is a light emitting diode display.

12. The optical system of Claim 11, wherein the light emitting diode display is an organic light emitting diode display.

13. The optical system of Claim 11, wherein the light emitting diode display is a polymeric light emitting diode display.

14. The optical system of Claim 4, the first, second, and third lens elements comprising a magnifier lens having an object side positioned proximate to the object to be viewed, wherein the magnifier lens is adapted to be approximately telecentric on the object side of the magnifier lens.